BRUHAT BENGALURU MAHANAGARA PALIKE

(YELAHANKA DIVISION)

Name of Work

Improvements to roads, drains and other developmental works at Akshaya, Tirumala Nagar, Attur layout, Santhosh nagara, Muneshwara layout, Sri Sai layout, B sector and surrounding areas in ward No 03 & 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-03)

3rd and PART BILL

QC REPORT

Package Amount: 21.35 Cr

Project Management Consultancy:

Ninetech Infra Solution Pvt Ltd.

:#14, 3rd Floor, Hithaa complex,

80 feet Ring Road (Kengeri),Nagadevanhalli,

BENGALURU – 560056, Karnataka.

Agency:

Sri K. Venkat Raju

NINETECH

INFRA SOLUTIONS PVT LTD.

Bruhat Bengaluru Mahanagara Palike

Name of Work	Improvements to roads, drains and other developmental works at Akshaya, Tirumala Nagar, Attur layout, Santhosh nagara, Muneshwara layout, Sri Sai layout, B sector and surrounding areas in ward No 03 & 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-03)
Client	Bruhat Bengaluru Mahanagara Palike, Bangalore
Consultant	M/s Ninetech Infra Solutions Pvt. Ltd.
Contractor	Sri K. Venkat Raju

QC Reports summary- 3rd and part Bill

Sl.No.	Particulars	Executed Qty.	Test conducted	MORTH frequency	Tests done	Remarks Pass/fail
1	GSB	2924.85 Cum	Gradation	For every 400 m^3	07	P
			Compaction Test	For Every 1000.00m^2	19	P
2	WMM	4269.76 Cum	Gradation	For every 200 m^3	27	P
			Compaction Test	For Every 1000.00m^2	54	P
3	Prime Coat	18518.26 Sqm	Rate of Spray	3 Tests Per day	15	P
4	DBM	1383.20 Cum	Gradation	2 Test per day	20	P
			Bitumen content	2 test per day	21	P
			Density	One test per 700m^2	36	P

5	Tack Coat	33238.29 Sqm	Rate of Spray	3 Tests Per day	27	P
6	BC	1329.53 Cum	Gradation	2 Test per day	20	P
			Bitumen content	2 test per day	21	P
			Density	One test per 700m^2	48	P
7	Steel	22.03 Tonne	Tensile Strenth	IS: 1608 (Part 1) - 2018. IS: 1599 - 2019 and IS: 1786-2008 (Reaffirmed 2018)	4 Set	P
8	100mm thick Drain Covering Slab	1444.25 Sqm	Compressive strength	'IS:516-1959 (Reaffirmed 1999), SP-24:1983.	6 Set	P
9	230mm thick Drain Covering Slab	55.44 Sqm	Compressive strength	'IS:516-1959 (Reaffirmed 1999), SP-24:1983.	5 Set	P
10	Kerb	592.00 Nos	Compressive strength	As per 'IS:516-1959	6 Set	P
11	Paver Blocks	904.99 Sqm	Compressive strength	As Per IS 15658 : 2021	4 Set	P
12	Concrete Blocks (400x200x200)	120.28 Sqm	Compressive strength of Cubes	IS2185:Part1 :2005 (Reaffimed Year: 2020)	2 Set	P
13	Concrete Blocks (400x100x200)	104.48 Sqm	Compressive strength of Cubes	IS2185:Part1 :2005 (Reaffimed Year: 2020)	1 Set	P

14	Drain Concrete(M-20)	312.62 Cum	Compressive strength of Cubes	4 set for 50 m^3 and Addition of 1 set for every addition of 50 m^3 of concrete.(6 cubes/day of each grade)	114	P
15	Building Concrete(M-25)	81.38 Cum	Compressive strength of Cubes	4 set for 50 m^3 and Addition of 1 set for every addition of 50 m^3 of concrete.(6 cubes/day of each grade)	6	P
16	Concrete(M-30)	36.15 Cum	Compressive strength of Cubes	4 set for 50 m^3 and Addition of 1 set for every addition of 50 m^3 of concrete.(6 cubes/day of each grade)	12	P
17	Slump test for each workability	430.15 Cum	Test for workability	1 test per each dumper load at both Batching Plant and Site	44	P
18	DLC	27.22 Cum	Gradation	One test/Day	02	P

Note- P-Pass, F- Fail

NINETECH INFRA SOLUTIONS PVT LTD. Bangalore 560 056

Contractor Rep.

Team Leader

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬೆಂಗಳೂರು-೫೬

Ninetech Infra Solutions Pvt. Ltd.

INFRA SOLUTIONS PVT.LTD.
Email Id: info.ninetechinfra@gmail.com
Contact: 7019556969/9535584464
Corp. Off: #14, 3rd Floor, Hithaa complex, 80 feet Ring Road (Kengeri),Nagadevanhalli, BENGALURU – 560056, Karnataka

NABL Accredited Laboratory ISO/IEC 17025-2005

Bruhat Bengaluru Mahanagara Palike		
Name of Work:	Improvements to roads, drains and other developmental works at Akshaya, Tirumala Nagar, Attur layout, Santhosh nagara, Muneshwara layout, Sri Sai layout, B sector and surrounding areas in ward No 03 & 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-03)	
Client	Bruhat Bengaluru Mahanagara Palike, Bangalore	
Consultant	M/s Ninetech Infra Solutions Pvt. Ltd.	
Contractor	Sri K. Venkat Raju	
GRADATION TEST ON GSB		
Name of Road	Sai Layout Main Road	
Description of Material	GSB Grade-V	Date of Sampling:01/03/2023
Source of Material	Nelmangala	Date of Testing: 01/03/2023
Sample No	1	Total Weight:10000.00gms

OBSERVATIONS

IS Sieve Size in mm	Wt.Retained	Cum. Wt.Retained	% Retained	% Passing	MORT&H specification	Remarks
75	0	0	0	100	100	
53	555	555	5.55	94.45	80-100	
26.5	1740	2295	22.95	77.05	55-90	
9.5	2860	5155	51.55	48.45	35-65	
4.75	1786	6941	69.41	30.59	25-50	
2.36	2000	8941	89.41	10.59	10-20	
0.85	610	9551	95.51	4.49	2-10	
0.425	449	10000	100	0	0-5	
10000						

Remarks:Test Results are is in confirmation with MORT&H.

NINETECH INFRA SOLUTIONS PVT LTD. Bangalore 560 056

Authorized Representative (For Contractor)	Authorized Representative (For PMC)	Authorized Representative (For Client)

GSTIN. 29AAECN7468E1Z3

NINETECH
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Bruhat Bengaluru Mahanagara Palike		
Name of Work:	Improvements to roads, drains and other developmental works at Akshaya, Tirumala Nagar, Attur layout, Santhosh nagara, Muneshwara layout, Sri Sai layout, B sector and surrounding areas in ward No 03 & 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-03)	
Client	Bruhat Bengaluru Mahanagara Palike, Bangalore	
Consultant	M/s Ninetech Infra Solutions Pvt. Ltd.	
Contractor	Sri K. Venkat Raju	
GRADATION TEST ON GSB		
Name of Road	11ST Cross Road (Veersagar Main Road)	
Description of Material	GSB Grade-V	Date of Sampling: 05/03/2023
Source of Material	Nelmangala	Date of Testing: 05/03/2023
Sample No	1	Total Weight:10000.00gms

OBSERVATIONS

IS Sieve Size in mm	Wt.Retained	Cum. Wt.Retained	% Retained	% Passing	MORT&H specification	Remarks
75	0	0	0	100	100	
53	556	556	5.56	94.44	80-100	
26.5	1748	2304	23.04	76.96	55-90	
9.5	2868	5172	51.72	48.28	35-65	
4.75	1786	6958	69.58	30.42	25-50	
2.36	1990	8948	89.48	10.52	10-20	
0.85	603	9551	95.51	4.49	2-10	
0.425	449	10000	100	0	0-5	
	10000					

Remarks: Test Results are is in confirmation with MORT&H.

NINETECH INFRA SOLUTIONS PVT.LTD. Bangalore 560 056

Authorized Representative (For Contractor)	Authorized Representative (For PMC)	Authorized Representative (For Client)

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ಬೃ.ಬೆ.ಮ.ಪಾ. ಬೆಂಗಳೂರು-106

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Bruhat Bengaluru Mahanagara Palike		
Name of Work:	Improvements to roads, drains and other developmental works at Akshaya, Tirumala Nagar, Attur layout, Santhosh nagara, Muneshwara layout, Sri Sai layout, B sector and surrounding areas in ward No 03 & 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-03)	
Client	Bruhat Bengaluru Mahanagara Palike, Bangalore	
Consultant	M/s Ninetech Infra Solutions Pvt. Ltd.	
Contractor	Sri K. Venkat Raju	
GRADATION TEST ON GSB		
Name of Road	3rd Cross Road (Chiru Layout)	
Description of Material	GSB Grade-V	Date of Sampling: 06/03/2023
Source of Material	Nelmangala	Date of Testing: 06/03/2023
Sample No	1	Total Weight:10000.00gms

OBSERVATIONS

IS Sieve Size in mm	Wt.Retained	Cum. Wt.Retained	% Retained	% Passing	MORT&H specification	Remarks
75	0	0	0	100	100	
53	478	478	4.78	95.22	80-100	
26.5	2062	2540	25.4	74.6	55-90	
9.5	2561	5101	51.01	48.99	35-65	
4.75	1978	7079	70.79	29.21	25-50	
2.36	1852	8931	89.31	10.690	10-20	
0.85	517	9448	94.48	5.520	2-10	
0.425	552	10000	100	0	0-5	
	10000					

Remarks:Test Results are is in confirmation with MORT&H.

Authorized Representative (For Contractor)	Authorized Representative (For PMC)	Authorized Representative (For Client)

NINETECH INFRA SOLUTIONS PVT. LTD. Bangalore 560 056

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Name of Work: Improvements to roads, drains and other developmental works at Akshaya, Tirumala Nagar, Attur layout, Santhosh nagara, Muneshwara layout, Sri Sai layout, B sector and surrounding areas in ward No 03 & 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-03)
Name of Road: Sai Layout Main Road
Client : BRUHAT BANGALORE MAHANAGARA PALIKE(Road infrastructure Mahadevapura Division)
Consultant : M/s Ninetech Infra Solutions Pvt. Ltd.
Contractor : Sri K. Venkat Raju

FIELD DENSITY TEST ON GSB
TEST METHOD: IS: 2720 (PART-28)

Description of layer : GSB	Date of Testing:	01/03/2023
	Lab Density (g/c.c):	2.1
OMC % : 5.5	Density of Sand Ys:(g/c.c)	1.4

OBSERVATIONS

Description	1	2	3	4	5
Location of Test in mtr					
Offset from edge in mtr	1.5	2.2	3.0	3.4	2.6
Wt of Soil/GSB/WMM in hole W gms	4130	4123	4121	4125	4112
Wt of cylinder filled with sand before pouring W_1 g	16500	16500	16500	16500	16500
Wt of cylinder filled with sand after pouring W_2 g	12901	12916.3	12920.2	12910.3	12913.2
Wt of sand in conical portion Wc in gms	980	980	980	980	980
Sand in hole Wh=W1-W2-Wc in gms	2619.00	2603.70	2599.80	2609.70	2606.80
Volume of pit V=W_h/Ys g/cc	1870.71	1859.79	1857.00	1864.07	1862.00
Bulk (Wet) density of Y_b=W/V g/cc	2.21	2.22	2.22	2.21	2.21
Rapid moisture meter reading=m	6	6.2	6.2	6	6.1
Field moisture content FMC in %	6.66	6.88	6.88	6.66	6.77
Field dry density in g/cc=(Yb/1+(FMC/100))	2.070	2.074	2.076	2.075	2.068
Degree of compaction in %	98.56	98.77	98.87	98.80	98.49

Remarks:

Authorized Representative (For Contractor)

NINETECH INFRA SOLUTIONS PVT. LTD. Bangalore

Authorized Representative (For PMC)

Authorized Representative (For Client)

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Name of Work: Improvements to roads, drains and other developmental works at Akshaya, Tirumala Nagar, Attur layout, Santhosh nagara, Muneshwara layout, Sri Sai layout, B sector and surrounding areas in ward No 03 & 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-03)
Name of Road: 6th Cross Road (Escorts Colony)
Client : BRUHAT BANGALORE MAHANAGARA PALIKE(Road infrastructure Mahadevapura Division)
Consultant : M/s Ninetech Infra Solutions Pvt. Ltd.
Contractor : Sri K. Venkat Raju

FIELD DENSITY TEST ON GSB
TEST METHOD: IS: 2720 (PART-28)

Description of layer : GSB	Date of Testing:	03/03/2023
	Lab Density (g/c.c):	2.1
OMC % : 5.5	Density of Sand Ys:(g/c.c)	1.4

OBSERVATIONS

Description	1	2	3	4	5
Location of Test in mtr					
Offset from edge in mtr	1.5	2.2	3.0	3.4	2.6
Wt of Soil/GSB/WMM in hole W gms	4128	4123	4121	4120	4113
Wt of cylinder filled with sand before pouring W_1 g	16500	16500	16500	16500	16500
Wt of cylinder filled with sand after pouring W_2 g	12901	12916.3	12920.2	12910.3	12913.2
Wt of sand in conical portion Wc in gms	980	980	980	980	980
Sand in hole Wh=W1-W2-Wc in gms	2619.00	2603.70	2599.80	2609.70	2606.80
Volume of pit V=W_b/Ys g/cc	1870.71	1859.79	1857.00	1864.07	1862.00
Bulk (Wet) density of Y_b=W/V g/cc	2.21	2.22	2.22	2.21	2.21
Rapid moisture meter reading=m	6	6.2	6.2	6	6.1
Field moisture content FMC in %	6.66	6.88	6.88	6.66	6.77
Field dry density in g/cc=(Yb/1+(FMC/100))	2.069	2.074	2.076	2.072	2.069
Degree of compaction in %	98.52	98.77	98.87	98.68	98.52

Remarks:

NINETECH INFRA SOLUTIONS PVT. LTD. Bangalore 560 056

Authorized Representative (For Contractor)

Authorized Representative (For PMC)

Authorized Representative (For Client)

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GSTIN 29AAECN7468E1Z3

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Bruhat Bengaluru Mahanagara Palike

Name of Work:	Improvements to roads, drains and other developmental works at Akshaya, Tirumala Nagar, Attur layout, Santhosh nagara, Muneshwara layout, Sri Sai layout, B sector and surrounding areas in ward No 03 & 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-03)
Client	Bruhat Bengaluru Mahanagara Palike, Bangalore
Consultant	M/s Ninetech Infra Solutions Pvt. Ltd.
Contractor	Sri K. Venkat Raju

GRADATION TEST ON WMM

Name of Road	6th Cross Road (Veersagar Main Road)	
Description of Material	WMM	Date of Sampling: 09/03/2023
Source of Material	Nelmangala	Date of Testing: 09/03/2023
Sample No	1	Total Weight:10000.00gms

OBSERVATIONS

IS Sieve Size in mm	Wt.Retained (gm)	Cum. Wt.Retained (gm)	% Retained	% Passing	MORT&H specification	Remarks
53	0	0	0	100	100	
45	318	318	3.18	96.82	95-100	
22.4	2243	2561	25.61	74.39	60-80	
11.2	2430	4991	49.91	50.09	40-60	
4.75	1990	6981	69.81	30.19	25-40	
2.36	918	7899	78.99	21.01	15-30	
0.6	1168	9067	90.67	9.33	8-22	
0.075	933	10000	100	0	0-5	
	10000					

Remarks:Test Results are in confirmation with MORT&H

NINETECH INFRA SOLUTIONS PVT.LTD. Bangalore 560 056

Authorized Representative (For Contractor)	Authorized Representative (For PMC)	Authorized Representative (For Client)

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Client	Bruhat Bengaluru Mahanagara Palike, Bangalore	
Consultant	M/s Ninetech Infra Solutions Pvt. Ltd.	
Contractor	Sri K. Venkat Raju	
GRADATION TEST ON WMM		
Name of Road	11ST Cross Road (Veersagar Main Road)	
Description of Material	WMM	Date of Sampling: 21/03/2023
Source of Material	Nelmangala	Date of Testing: 21/03/2023
Sample No	1	Total Weight:10000.00gms

OBSERVATIONS

IS Sieve Size in mm	Wt.Retained (gm)	Cum. Wt.Retained (gm)	% Retained	% Passing	MORT&H specification	Remarks
53	0	0	0	100	100	
45	318	318	3.18	96.82	95-100	
22.4	2240	2558	25.58	74.42	60-80	
11.2	2445	5003	50.03	49.97	40-60	
4.75	2001	7004	70.04	29.96	25-40	
2.36	903	7907	79.07	20.93	15-30	
0.6	1170	9077	90.77	9.23	8-22	
0.075	920	9997	99.97	0.03	0-5	
	10000					

Remarks:Test Results are in confirmation with MORT&H

NINETECH INFRA SOLUTIONS PVT. LTD. Bangalore 560 056

Authorized Representative (For Contractor)	Authorized Representative (For PMC)	Authorized Representative (For Client)

ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
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Client	Bruhat Bengaluru Mahanagara Palike, Bangalore	
Consultant	M/s Ninetech Infra Solutions Pvt. Ltd.	
Contractor	Sri K. Venkat Raju	
GRADATION TEST ON WMM		
Name of Road	6th Cross Road (Veersagar Main Road)	
Description of Material	WMM	Date of Sampling: 22/03/2023
Source of Material	Nelmangala	Date of Testing: 22/03/2023
Sample No	1	Total Weight:10000.00gms

OBSERVATIONS

IS Sieve Size in mm	Wt.Retained (gm)	Cum. Wt.Retained (gm)	% Retained	% Passing	MORT&H specification	Remarks
53	0	0	0	100	100	
45	329	329	3.29	96.71	95-100	
22.4	2240	2569	25.69	74.31	60-80	
11.2	2439	5008	50.08	49.92	40-60	
4.75	1992	7000	70.00	30.00	25-40	
2.36	908	7908	79.08	20.92	15-30	
0.6	1162	9070	90.70	9.30	8-22	
0.075	919	9989	99.89	0.11	0-5	
10000						

Remarks:Test Results are in confirmation with MORT&H.

Authorized Representative	Authorized Representative	Authorized Representative
(For Contractor)	(For PMC)	(For Client)

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Name of Road: Akshaya Nagar Main Road		
Client : BRUHAT BANGALORE MAHANAGARA PALIKE.		
Consultant : M/s Ninetech Infra Solutions Pvt. Ltd.		
Contractor : Sri K. Venkat Raju		
FIELD DENSITY TEST ON **WMM** TEST METHOD: IS: 2720 (PART-28)		
Chainage	Date of Testing:	06/03/2023
Description of layer : WMM	Lab Density (g/c.c):	2.15
OMC % : 6.2	Density of Sand Ys:(g/c.c)	1.4

OBSERVATIONS

Description	1	2	3	4	5
Location of Test in mtr					
Offset from edge in mtr	3.4	2.3	2.6	2.7	3.1
Wt of Soil/GSB/WMM in hole W gms	4140	4147	4190	4192	4166
Wt of cylinder filled with sand before pouring W_1 g	16500	16500	16500	16500	16500
Wt of cylinder filled with sand after pouring W_2 g	12915.2	12911.2	12927.2	12915.5	12919.2
Wt of sand in conical portion Wc in gms	980	980	980	980	980
Sand in hole Wh=W1-W2-Wc in gms	2604.80	2608.80	2592.80	2604.50	2600.80
Volume of pit V=W_h/Ys g/cc	1860.57	1863.43	1852.00	1860.36	1857.71
Bulk (Wet) density of Y_b=W/V g/cc	2.23	2.23	2.26	2.25	2.24
Rapid moisture meter reading=m	5.00	4.90	6.50	6.20	5.80
Field moisture content FMC in %	5.55	5.44	7.22	6.88	6.44
Field dry density in g/cc=(Yb/1+(FMC/100))	2.108	2.111	2.110	2.108	2.107
Degree of compaction in %	98.05	98.17	98.15	98.06	98.00
Remarks:					

Authorized Representative (For Contractor)

Authorized Representative (For-PMC)

Authorized Representative (For Client)

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಜಿ.ಬಿ.ಎ.ಪಿ. ಬೆಂಗಳೂರು-10೧

GSTIN. 29AAECN7468E1Z3

NINETECH INFRA SOLUTIONS PVT.LTD.

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Corp. Off: #14, 3rd Floor, Hithaa complex, 80 feet Ring Road (Kengeri),Nagadevanhalli, BENGALURU – 560056, Karnataka

NABL Accredited Laboratory ISO/IEC 17025-2005

Bruhat Bengaluru MahanagaraPalike

Name of Work :Improvements to roads, drains and other developmental works at Akshaya, Tirumala Nagar, Attur layout, Santhosh nagara, Muneshwara layout, Sri Sai layout, B sector and surrounding areas in ward No 03 & 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-03)

Name of Road: Sai Layout Main Road

Client: Executive Engineer Malleshwaram Division

Contractor : Sri K. Venkat Raju

Chainage	Date of Testing:	16/03/2023
Description of layer : WMM	Lab Density (g/c.c)	2.15
OMC % : 6.2	Density of Sand Ys (g/c.c)	1.4

OBSERVATIONS

Description	1	2	3	4	5
Location of Test in mtr	0+110	0+140	0+160	0+200	0+250
Offset from edge in mtr	1.5	2.2	3.0	3.4	2.4
Wt of Soil/GSB/WMM in hole W gms	4215	4210	4211	4237	4219
Wt of cylinder filled with sand before pouring W_1 g	16500	16500	16500	16500	16500
Wt of cylinder filled with sand after pouring W_2 g	12913.5	12915.3	12920.2	12908.2	12924.2
Wt of sand in conical portion Wc in gms	980	980	980	980	980
Sand in hole Wh=W1-W2-Wc in gms	2606.50	2604.70	2599.80	2611.80	2595.80
Volume of pit $V=W_h/Ys$ g/cc	1861.79	1860.50	1857.00	1865.57	1854.14
Bulk (Wet) density of $Y_b=W/V$ g/cc	2.26	2.26	2.27	2.27	2.28
Rapid moisture meter reading=m	6.30	6.50	6.20	6.60	7.00
Field moisture content FMC in %	6.99	7.22	6.88	7.33	7.77
Field dry density in g/cc=(Yb/1+(FMC/100))	2.116	2.111	2.122	2.116	2.111
Degree of compaction in %	98.42	98.17	98.68	98.42	98.20

Remarks:

Authorized Representative	Authorized Representative	Authorized Representative
(For Contractor)	(For PMC)	(For Client)

NINETECH INFRA SOLUTIONS PVT LTD Bangalore

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Bruhat Bengaluru Mahanagara Palike

Name of Work:	Improvements to roads, drains and other developmental works at Akshaya, Tirumala Nagar, Attur layout, Santhosh nagara, Muneshwara layout, Sri Sai layout, B sector and surrounding areas in ward No 03 & 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-03)
Name of Road	Akshaya Nagar Main Road
Client	Bruhat Bengaluru Mahanagara Palike
Consultant	M/s Ninetech Infra Solutions Pvt. Ltd.
Contractor	Sri K. Venkat Raju

RATE OF SPRAY OF TACK COAT/ **PRIME COAT**

TEST METHOD :(IRC SP 11-1988)

Description of Material:	PRIME COAT	Date of Testing: 21-03-2023
Temperature of Material:		Time of Testing: 21-03-2023
Area of tray :	0.25 m^2	Speed of vehicle:4Kmph

OBSERVATIONS

Plate No.	Weight of tray before spray	Weight of tray after spray	Weight of material on the plate	Rate of spray	Average rate of spray	Remarks
1	2820	3008	188	0.752	0.77	Day-1
2	2823	3015	192	0.768		
3	2815	3013	198	0.792		
1	2818	3014	196	0.784	0.77	Day-2
2	2836	3018	182	0.728		
3	2815	3015	200	0.8		

Remarks: Rate of spray of Prime coat required is 0.7Kg/m^2. Which is Achieved in site.

Authorized Representative (For Contractor)	Authorized Representative (For PMC)	Authorized Representative (For Client)

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Client	Bruhat Bengaluru MahanagaraPalike, Bangalore
Consultant	M/s Ninetech Infra Solutions Pvt. Ltd.
Contractor	Sri K. Venkat Raju

GRADATION TEST ON DBM

Name of Road	6th Cross Road (Escorts Colony)	
Description of Material	DBM	Date of Sampling: 14-03-2023
Source of Material	Nelmangala	Date of Testing: 14-03-2023
Sample No	8	Total Weight:1000.00gms

OBSERVATIONS

IS Sieve Size in mm	Wt.Retained (gm)	Cum. Wt.Retained (gm)	% Retained	% Passing	MORT&H specification	Remarks
37.5	0	0	0	100	100	
26.5	38.3	38.3	3.83	96.17	90-100	
19	135.3	173.6	17.36	82.64	71-95	
13.2	152.3	325.9	32.59	67.41	56-80	
4.75	201.7	527.6	52.76	47.24	38-54	
2.36	152.9	680.5	68.05	31.95	28-42	
0.3	199.5	880.0	88.00	12.00	7-21	
0.075	93.6	973.6	97.36	2.64	2-8	
	1000					

Remarks:Test Results are in confirmation with MORT&H.

Authorized Representative (For Contractor)

Authorized Representative (For PMC)

Authorized Representative (For Client)

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Client	Bruhat Bengaluru MahanagaraPalike, Bangalore
Contractor	Sri K. Venkat Raju

GRADATION TEST ON DBM

Name of Road	6th Cross Road (Veersagar Main Road)	
Description of Material	DBM	Date of Sampling: 23-03-2023
Source of Material	Nelmangala	Date of Testing: 23-03-2023
Sample No	1	Total Weight:1000.00gms

OBSERVATIONS

IS Sieve Size in mm	Wt.Retained (gm)	Cum. Wt.Retained (gm)	% Retained	% Passing	MORT&H specification	Remarks
37.5	0	0	0	100	100	
26.5	38.6	38.6	3.86	96.14	90-100	
19	128.9	167.5	16.75	83.25	71-95	
13.2	180.5	348	34.8	65.2	56-80	
4.75	235.2	583.2	58.32	41.68	38-54	
2.36	103.3	686.5	68.65	31.35	28-42	
0.3	201.5	888.0	88.80	11.20	7-21	
0.075	86.6	974.6	97.46	2.54	2-8	
	1000					

Remarks:Test Results are in confirmation with MORT&H.

NINETECH INFRA SOLUTIONS PVT.LTD. Bangalore 560 056

Authorized Representative (For Contractor)

Authorized Representative (For PMC)

Authorized Representative (For Client)

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Client	Bruhat Bengaluru MahanagaraPalike, Bangalore		
Consultant	M/s Ninetech Infra Solutions Pvt. Ltd.		
Contractor	Sri K. Venkat Raju		
DBM Density TEST			
TEST METHOD: IRC SP-11			
		Date of Testing: 20-03-2023	
Road Name	6th Cross Road (Veersagar Main Road)		
Description of layer:	DBM	Lab Density (g/c.c):	2.33
Source of material:	Nelmangala	Density of Sand Ys(g/c.c):	1.4

OBSERVATIONS

Sl No.	Description	1	2	3	4	Remarks
1	Location of Test in mtr					
2	Offset from edge in mtr	2.5	1.8	1.6	1.8	
3	Wt. of DBM in hole W gms	548.5	542.2	546.8	569.5	
4	Wt. of cylinder filled with sand before pouring W_1 g	6500	6500	6500	6500	
5	Wt. of cylinder filled with sand after pouring W_2 g	5790.3	5795.8	5800.6	5782.5	
6	Wt. of sand in conical portion Wc in gms	357	357	357	357	
7	Sand in hole $W_h=W_1-W_2-Wc$ in gms	352.7	347.2	342.4	360.5	
8	Volume of pit $V=W_h/Ys$ g/cc	251.93	248.00	244.57	257.50	
9	Density of $Y_b=W/V$ g/cc	2.18	2.19	2.24	2.21	
10	Degree of compaction in %	93.44	93.83	95.95	94.92	

Remarks:Test Results are in confirmation with MORT&H.

Authorized Representative (For Contractor)	Authorized Representative (For PMC)	Authorized Representative (For Client)

NINETECH INFRA SOLUTIONS PVT LTD 560 056

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Client	Bruhat Bengaluru Mahanagara Palike, Bangalore
Consultant	M/s Ninetech Infra Solutions Pvt. Ltd.
Contractor	Sri K. Venkat Raju

GRADATION TEST ON BC

Name of Road	Akshaya Nagar Main Road	
Description of Material	GRADATION TEST ON BC	Date of Sampling: 14-03-2023
Source of Material	Nelmangala	Date of Testing: 14-03-2023
Sample No	1	Total Weight:1000.00gms

OBSERVATIONS

IS Sieve Size in mm	Wt.Retained (gm)	Cum. Wt.Retained (gm)	% Retained	% Passing	MORT&H specification	Remarks
19	0	0	0	100	100	
13.2	80.2	80.2	8.02	91.98	90-100	
9.5	121	201.2	20.12	79.88	70-88	
4.75	181	382.2	38.22	61.78	53-71	
2.36	160.2	542.4	54.24	45.76	42-58	
1.18	101.2	643.6	64.36	35.64	34-48	
0.6	84.5	728.1	72.81	27.19	26-38	
0.3	79.6	807.7	80.77	19.23	18-28	
0.15	51	858.7	85.87	14.13	12-20	
0.075	80.2	938.9	93.89	6.11	4-10	
	1000					

Remarks:Test Results are in confirmation with MORT&H.

Authorized Representative (For Contractor)	Authorized Representative (For PMC)	Authorized Representative (For Client)

NINETECH INFRA SOLUTIONS PVT LTD Bangalore

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Client	Bruhat Bengaluru Mahanagara Palike, Bangalore	
Contractor	Sri K. Venkat Raju	
GRADATION TEST ON BC		
Name of Road	11ST Cross Road (Veersagar Main Road)	
Description of Material	GRADATION TEST ON BC	Date of Sampling: 11-03-2023
Source of Material	Nelmangala	Date of Testing: 11-03-2023
Sample No	1	Total Weight:1000.00gms

OBSERVATIONS

IS Sieve Size in mm	Wt.Retained (gm)	Cum. Wt.Retained (gm)	% Retained	% Passing	MORT&H specification	Remarks
19	0	0	0	100	100	
13.2	61.6	61.6	6.16	93.84	90-100	
9.5	88.6	150.2	15.02	84.98	70-88	
4.75	185.4	335.6	33.56	66.44	53-71	
2.36	124.5	460.1	46.01	53.99	42-58	
1.18	121.5	581.6	58.16	41.84	34-48	
0.6	68.5	650.1	65.01	34.99	26-38	
0.3	95.6	745.7	74.57	25.43	18-28	
0.15	78.9	824.6	82.46	17.54	12-20	
0.075	105.3	929.9	92.99	7.01	4-10	
	1000					

Remarks:Test Results are in confirmation with MORT&H.

Authorized Representative (For Contractor)	Authorized Representative (For PMC)	Authorized Representative (For Client)

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Client	Bruhat Bengaluru Mahanagara Palike, Bangalore
Consultant	M/s Ninetech Infra Solutions Pvt. Ltd.
Contractor	Sri K. Venkat Raju

GRADATION TEST ON BC

Name of Road	6th Cross Road (Veersagar Main Road)	
Description of Material	GRADATION TEST ON BC	Date of Sampling: 17-03-2023
Source of Material	Nelmangala	Date of Testing: 17-03-2023
Sample No	2	Total Weight:1000.00gms

OBSERVATIONS

IS Sieve Size in mm	Wt.Retained	Cum. Wt.Retained	% Retained	% Passing	MORT&H specification	Remarks
19	0	0	0	100	100	
13.2	77.9	77.9	7.79	92.21	90-100	
9.5	99.2	177.1	17.71	82.29	70-88	
4.75	178.9	356	35.6	64.4	53-71	
2.36	159.6	515.6	51.56	48.44	42-58	
1.18	136.3	651.9	65.19	34.81	34-48	
0.6	91.8	743.7	74.37	25.63	26-38	
0.3	89.5	833.2	83.32	16.68	18-28	
0.15	87.9	921.1	92.11	7.89	12-20	
0.075	78.9	1000	100	0	4-10	
	1000					

Remarks:Test Results are in confirmation with MORT&H.

Authorized Representative (For Contractor)	Authorized Representative (For PMC)	Authorized Representative (For Client)

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Client	Bruhat Bengaluru Mahanagara Palike, Bangalore
Consultant	M/s Ninetech Infra Solutions Pvt. Ltd.
Contractor	Sri K. Venkat Raju

BITUMEN EXTRACTION TEST

TEST METHOD: IRC SP-11

Road Name	1ST Cross Road (Santhosh Nagar)	
Description of layer:	BC	Date of Testing: 14-03-2023
Source of material:	Nelmangala	Total weight:500.00gms

OBSERVATIONS

Sl No.	Description	1	2	3	Remarks
1	Weight of mix, W1 (gms)	500	500	500	
2	Weight of sample after extraction W2 (gms)	472.2	472.7	472.3	
3	Weight of filter paper before extraction W3 (gms)	3.7	3.6	3.6	
4	Weight of filter paper after extraction W4 (gms)	3.8	3.6	3.8	
5	Bitumen content by weight of total mix %=[(W1-W2)+(W4-W3)]/W1x100	5.54	5.46	5.51	

Remarks: Test Results are in confirmation with MORT&H.

Authorized Representative (For Contractor)	Authorized Representative (For PMC)	Authorized Representative (For Client)

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Contact: 7019556969/9535584464

Corp. Off: #14, 3rd Floor, Hithaa complex, 80 feet Ring Road (Kengeri),Nagadevanhalli, BENGALURU – 560056, Karnataka

NABL Accredited Laboratory ISO/IEC 17025-2005

Bruhat Bengaluru Mahanagara Palike

Name of Work:	Improvements to roads, drains and other developmental works at Akshaya, Tirumala Nagar, Attur layout, Santhosh nagara, Muneshwara layout, Sri Sai layout, B sector and surrounding areas in ward No 03 & 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-03)
Client	Bruhat Bengaluru Mahanagara Palike, Bangalore
Consultant	M/s Ninetech Infra Solutions Pvt. Ltd.
Contractor	Sri K. Venkat Raju

BC Density TEST

TEST METHOD: IRC SP-11

		Date of Testing:	14-03-2023
Road Name	6th Cross Road (Escorts Colony)		
Description of layer:	BC	Lab Density (g/c.c):	2.38
Source of material:	Nelmangala	Density of Sand Ys(g/c c):	1.4

OBSERVATIONS

Sl No.	Description	1	2	3	Remarks
1	Offset from edge in mtr	1.8	2.2	1.6	
2	Wt. of DBM in hole W gms	572.1	578.5	588.6	
3	Wt. of cylinder filled with sand before pouring W_1 g	6500	6500	6500	
4	Wt. of cylinder filled with sand after pouring W_2 g	5798.3	5791.6	5783.5	
5	Wt. of sand in conical portion Wc in gms	357	357	357	
6	Sand in hole $W_b=W_1-W_2-Wc$ in gms	344.7	351.4	359.5	
7	Volume of pit $V=W_b/Ys$ g/cc	246.21	251.00	256.79	
8	Density of $Y_b=W/V$ g/cc	2.32	2.30	2.29	
9	Degree of compaction in %	97.63	96.84	96.31	

Remarks: Test Results are in confirmation with MORT&H.

Authorized Representative (For Contractor)	Authorized Representative (For IMC)	Authorized Representative (For Client)

NINETECH INFRA SOLUTIONS PVT LTD Bangalore 560 056

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-೫೬

GSTIN. 29AAECN7468E1Z3

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NABL Accredited Laboratory ISO/IEC 17025-2005
ISO 9001:2015 CN: QMS-18-03-52

TEST RESULTS OF PHYSICAL PROPERTIES OF REINFORCEMENT STEEL

Name of the work	Improvements to roads, drains and other developmental works at Akshaya, Tirumala Nagar, Attur layout, Santhosh nagara, Muneshwara layout, Sri Sai layout, B sector and surrounding areas in ward No 03 & 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-03)
Contractor	Sri K. Venkat Raju
No of Samples Tested	3
Date of Testing	10/02/2023
Date of Report	11/02/2023
Grade of Steel	Fe 500D
Brand	TMT
Test Method	IS: 1608 (Part 1) - 2018. IS: 1599 - 2019 and IS: 1786-2008 (Reaffirmed 2018)
Sample ID	NISPL/Steel/BBMP/001

Sl.No	Brand	Nominal size (dia in mm)	Mass per metre (Kg/metre)	TENSILE STRENGTH		
				0.20 % proof stress/ yield stress (N/mm^2)	Tensile strength (N/mm^2)	Elongation, percent on Gauge Length
1	Fe 500D	8	0.392	514	575	18.1
2	Fe 500D	10	0.641	521	586	17.5
3	Fe 500D	12	0.885	533	591	19.2
4	Fe 500D	16	1.640	584	591	17.6

Requirements as per IS:1786 – 2008 (Reaffirmed 2018)

Dia (mm)	Mass per metre (Kg/metre)	0.20 % proof stress/ yield stress (N/mm^2)	Ultimate Tensile Strength (N/mm^2)	Elongation, percent on Gauge Length, min
8	0.395	500D	565 or 10% more than Actual Proof Stress whichever is higher	16.0
10	0.617	500D	565 or 10% more than Actual Proof Stress whichever is higher	16.0
12	0.888	500D	565 or 10% more than Actual Proof Stress whichever is higher	16.0
16	1.487	500D	565 or 10% more than Actual Proof Stress whichever is higher	16.0

Authorized signature
Quality Manager

End of Report

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GSTIN 29AAECN7468E1Z3

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NABL Accredited Laboratory ISO/IEC 17025-2005

ISO 9001:2015 CN: QMS-18-03-52

Bruhat Bengaluru Mahanagara Palike

Name of Work	Improvements to roads, drains and other developmental works at Akshaya, Tirumala Nagar, Attur layout, Santhosh nagara, Muneshwara layout, Sri Sai layout, B sector and surrounding areas in ward No 03 & 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-03)
Client	Bruhat Bangalore Mahanagara Palike
Contractor	Sri K. Venkat Raju
Consultant	M/s Ninetech Infra Solutions Pvt. Ltd.
No.of Sample Tested	3
Date of Testing	09-02-2023
Techinical Reference	IS 516-1959 (Reaffirmed 1999), SP-24 1983.
Grade of Concrete	M10

KERB STONE (CORE) COMPRESSION TEST REPORT

OBSERVATIONS

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	85.00	0.420	2516.52	1.70	0.960	31.60	16.09	17.38	16.69	20.86
2	50.00	85.00	0.416	2492.55	1.70	0.960	33.55	17.09	18.45	17.72	22.14
3	50.00	85.00	0.420	2516.52	1.70	0.960	33.10	16.86	18.21	17.48	21.85

Note :-

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2.The results indicated above are based on the tests carried out on the samples received in the laboratory.

3.Any query regarding the report must be reported within 3 days from the date of testing.

NINETECH INFRA SOLUTIONS PVT LTD Bangalore Authorized Representative

Authorized Representative	(For PMC)	Authorized Representative
(For Contractor)		(For Client)

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ಬ.ಜ.ಎಂ.ಪಾ. ಬೆಂಗಳೂರು-೧೦೬

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ISO 9001:2015 CN: QMS-18-03-52

Bruhat Bengaluru Mahanagara Palike

Name of Work	Improvements to roads, drains and other developmental works at Akshaya, Tirumala Nagar, Attur layout, Santhosh nagara, Muneshwara layout, Sri Sai layout, B sector and surrounding areas in ward No 03 & 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-03)
Client	Bruhat Bangalore Mahanagara Palike
Contractor	Sri K. Venkat Raju
Consultant	M/s Ninetech Infra Solutions Pvt. Ltd.
No.of Sample Tested	2
Date of Testing	09-02-2023
Techinical Reference	IS 516-1959 (Reaffirmed 1999), SP-24 1983
Grade of Concrete	M10

KERB STONE (CORE) COMPRESSION TEST REPORT

OBSERVATIONS

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	85.00	0.420	2516.52	1.70	0.960	32.26	16.43	17.74	17.03	21.29
2	50.00	85.00	0.415	2486.56	1.70	0.960	32.42	16.51	17.83	17.12	21.40
3	50.00	85.00	0.420	2516.52	1.70	0.960	33.10	16.86	18.21	17.48	21.85

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Authorized Representative
(For Contractor)

Authorized Representative
(For PMC)

Authorized Representative
(For Client)

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NABL Accredited Laboratory ISO/IEC 17025-2005

Report No: -NISPL-83011900000000674

TEST REPORT ON COMPRESSION STRENGTH OF CONCRETE CUBES

Name of the work	Improvements To Roads and Drains And Other Developmental Works At Akskshaya,Thirumalanagar,Muneshwara Layout,Sri Sai Layout, B Sector And Surrounding Areas in Ward No-03 And 04 Of Yelahanka Division Under Amruth Nagarothan Grants[PACKAGE NO-03]
Name of the Road	Veerasagara Road 7th Cross Rd
Client	BRUHAT BANGALORE MAHANAGARA PALIKE
Contractor	Sri K. Venkat Raju
Concrete Used for	Drain Raft
Date of Casting	14/02/2023
Date of Testing	21/02/2023
Date of Report	23/02/2023
Cross Sectional Area	22500 mm^2
Grade of Concrete	M20
Period of curing	7days
Sample ID	NISPL/2023-24/674

Sl.No.	Test method	Size of Cube In mm	Failure load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength(N/mm^2)	Remarks
1	IS: 516-1959 (Reaffirmed 2018)	150x150x150	317.15	14.10	14.27	Strength requirement for 7 days is satisfied. I. e 13.5N/mm^2
2		150x150x150	320.12	14.23		
3		150x150x150	325.64	14.47		

Test Result Conclusion: The sample tested is satisfactory in accordance to IS: 516-1959

Note: -

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Authorized signatory
Quality Manager

End of Report

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NABL Accredited Laboratory ISO/IEC 17025-2005

Report No: -NISPL-8301190000000738

TEST REPORT ON COMPRESSION STRENGTH OF CONCRETE CUBES

Name of the work	Improvements To Roads and Drains And Other Developmental Works At Akskshaya,Thirumalanagar,Muneshwara Layout,Sri Sai Layout, B Sector And Surrounding Areas in Ward No-03 And 04 Of Yelahanka Division Under Amruth Nagarothan Grants[PACKAGE NO-03]
Name of the Road	Akshay Nagara Road 8th A Main Rd Dead End
Client	BRUHAT BANGALORE MAHANAGARA PALIKE
Contractor	Sri K. Venkat Raju
Concrete Used for	Drain Wall
Date of Casting	15/02/2023
Date of Testing	15/03/2023
Date of Report	17/03/2023
Cross Sectional Area	22500 mm^2
Grade of Concrete	M20
Period of curing	28 days
Sample ID	NISPL/2022-23/738

Sl.No.	Test method	Size of Cube In mm	Failure load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength(N/mm^2)	Remarks
1	IS: 516-1959 (Reaffirmed 2018)	150x150x150	466.71	20.74	20.71	Strength requirement for 28 days is satisfied. I. e 20.0 N/mm^2
2		150x150x150	461.66	20.52		
3		150x150x150	469.81	20.88		

Test Result Conclusion: The sample tested is satisfactory in accordance to IS: 516-1959

Note: -

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Authorized signature
Quality Manager

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NABL Accredited Laboratory ISO/IEC 17025-2005

Report No: - NISPL -S3011900000000798

TEST REPORT ON COMPRESSIVE STRENGTH OF PAVER BLOCK

Name of the work: Improvements To Roads and Drains And Other Developmental Works At Akshaya,Thirumalanagar,Muneshwara Layout,Sri Sai Layout, B Sector And Surrounding Areas in Ward No-03 And 04 Of Yelahanka Division Under Amruth Nagarothan Grants[PACKAGE NO-03]

Client: BRUHAT BANGALORE MAHANAGARA PALIKE

Contractor: Sri K. Venkat Raju

Concrete Used for: Paver Block

Date of Testing: 10/02/2023

Date of Report: 11/02/2023

Sample ID: NISPL/2023-24/798

Sl.No	Test method	Size of Blocks In mm			Weight of Block Kgs	Cross sectional Area	Failure load (KN)	Compressive strength (N/mm²)	Average Compressive Strength (N/mm²)
		L	W	H		mm²			
1	IS15658 – 2021	202.1	202.1	62.9	5866	40844.41	1666.3	40.79	40.85
2		201.4	201.1	62.6	5861	40501.54	1664.2	41.08	
3		202.2	202.3	62.4	5865	40905.06	1665.2	40.70	

Test Result Conclusion: The sample tested is satisfactory in accordance to **IS15658 – 2021**

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Authorized signatory
Quality Manager

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End of Report

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ಜ ಬ.ಎಂ.ಪ. ಬೆಂಗಳೂರು-೫೬

REG No. CBS/C1/CIVIL/6551/2015
TIN No. 29521224545
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ISO 9001:2015 CN: QMS-18-03-52

Report No: -NISPL-830119000000000766

TEST REPORT ON COMPRESSION STRENGTH OF CONCRETE CUBES

Name of the work	Improvements To Roads and Drains And Other Developmental Works At Akshaya,Thirumalanagar,Muneshwara Layout,Sri Sai Layout, B Sector And Surrounding Areas in Ward No-03 And 04 Of Yelahanka Division Under Amruth Nagarothan Grants[PACKAGE NO-03]
Name of the Road	Vardhika Sabha Building Yelhanka Ward No - 3
Client	BRUHAT BANGALORE MAHANAGARA PALIKE
Contractor	Sri K. Venkat Raju
Concrete Used for	Building Slab
Date of Casting	31/01/2023
Date of Testing	28/02/2023
Date of Report	02/03/2023
Cross Sectional Area	22500 mm^2
Grade of Concrete	M20
Period of curing	28 days
Sample ID	NISPL/2022-23/766

Sl.No.	Test method	Size of Cube In mm	Failure load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength(N/mm^2)	Remarks
1	IS: 516-1959 (Reaffirmed 2018)	150x150x150	591.71	26.30	26.42	Strength requirement for 28 days is satisfied. I. e 25.00 N/mm^2
2		150x150x150	594.85	26.44		
3		150x150x150	596.95	26.53		

Test Result Conclusion: The sample tested is satisfactory in accordance to IS: 516-1959

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Authorized signature
Quality Manager

End of Report

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SLUMP TEST RESULTS

Name of the work	Improvements to roads, drains and other developmental works at Akshaya, Tirumala Nagar, Attur layout, Santhosh nagara, Muneshwara layout, Sri Sai layout, B sector and surrounding areas in ward No 03 & 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-03)
Client	Bruhat Bengaluru Mahanagara Palike, Bangalore
Contractor	M/s Ninetech Infra Solutions Pvt. Ltd.
Date of Testing Date of Report	30/01/2023 31/01/2023
Temperature	33°C
Sample ID	04
Grade	M25
Mix Proporation	1:1:2
Location	Vaidhika Sabha Building Yelhanka Ward No - 3
Contractor	Sri K. Venkat Raju
Technical Reference	IS-1199-1959

Trial No.	Slump, mm	Workability, mm (As per Design)
1	99	100
2	98	100
3	100	100

Test Result Conclusion: The sample tested is satisfactory in accordance to **IS: 1199-1959**

Note: -

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Authorized signatory
Quality Manager

End of Report

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.

Lab: No157A, Doddabasthi main road, [illegible], Bangalore-560056.

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NABL Accredited Laboratory ISO/IEC 17025-2005

Bruhat Bengaluru Mahanagara Palike	
Name of Work:	Improvements To Roads and Drains And Other Developmental Works At Akkshaya Thirumalanagar,Muneshwara Layout,Sri Sai Layout, B Sector And Surrounding Areas in Ward No-03 And 04 Of Yelahanka Division Under Amruth Nagarothan Grants[PACKAGE NO-03]
Client	Bruhat Bengaluru Mahanagara Palike, Bangalore
PMC	M/s Ninetech Infra Solutions Pvt. Ltd.
Contractor	Sri K. Venkat Raju

GRADATION TEST ON DLC

Name of Road	3rd Cross Layout Chaitra Layout Ward No=03	
Description of Material	DLC	Date of Sampling:17-02-2023
Source of Material	Nelmangala	Date of Testing:17-02-2023
Sample No	2	Total Weight: 4128 gms

OBSERVATIONS

IS Sieve Size in mm	Wt Retained (gm)	Cum. Wt Retained (gm)	% Retained	% Passing	MORT&H specification	Remarks
26.5	0	0	0.00	100.00	100	
19	560	560	13.57	86.43	75-95	
9.5	1426	1986	48.10	51.90	50-70	
4.75	735	2721	65.91	34.09	30-55	
2.36	20	2741	66.40	33.60	17-42	
0.6	600	3341	80.93	19.07	8-22	
0.3	440	3781	91.59	8.41	7-17	
0.15	125	3906	94.62	5.38	2-12	
0.075	176	4082	98.88	1.12	0-10	
	4128					

Remarks:Test Results are in confirmation with MORT&H.

NINETECH INFRA SOLUTIONS PVT LTD. Bangalore

Authorized Representative (For Contractor)

Authorized Representative (For PMC)

Authorized Representative (For Client)

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